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Dkt. 24577-CY-B/JPW/MAF/DJK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Paul J. Maddon, et al.  
U.S. Serial No.: 09/891,119  
Filed : June 25, 2001  
For : Derivatives of Soluble T-4

117  
1185 Avenue of the Americas  
New York, New York 10036  
July 8, 2002

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following references which are listed on the PTO-1449 forms attached hereto as **Exhibit A**. Copies of the disclosures listed below as items 1-19 are attached hereto as **Exhibits 1-19**, respectively:

1. U.S. Patent No. 4,761,371, issued August 2, 1988, Bell, et al (**Exhibit 1**);
2. U.S. Patent No. 4,816,567, issued March 28, 1989, Cabilly, et al (**Exhibit 2**);
3. U.S. Patent No. 5,109,123, issued April 28, 1992, Reinherz, et al (**Exhibit 3**);
4. International Publication No. WO 89/01940, published March 9, 1989, DNA Sequences, Recombinant DNA Molecules and Processes for Producing Soluble T4 Proteins (**Exhibit 4**);
5. International Publication No. WO 89/08143, published

September 8, 1989, Derivatives of Soluble T4 (**Exhibit 5**);

6. Barr, P.J. et al., (1989), Yeast Genetic Engineering, Chapter 10 Heterologous Gene Expression in Yeast (**Exhibit 6**);
7. Carr, S.A., et al., (1989), "Protein and Carbohydrate Structural Analysis of a Recombinant Soluble CD4 Receptor by Mass Spectrometry", J. Biol. Chem. 264:21286-21295 (**Exhibit 7**);
8. Cohen, J. (1993), "Jitters Jeopardize AIDS Vaccine Trials", Science, Vol. 262, pp 980-1 (**Exhibit 8**);
9. Fox, J. L. (1994), "No winners against AIDS", Bio/Technology, Vol. 12, February 1994 (**Exhibit 9**);
10. Haynes, B.F. (1993), "Scientific and Social Issues of Human Immunodeficiency Virus Vaccine Development", Science, Vol. 260, pp 1279-1286 (**Exhibit 10**);
11. Husson, R. N., et al., (1992), "Phase 1 study of continuous-infusion soluble CD4 as a single agent and in combination with oral dideoxyinosine therapy in children with symptomatic human immunodeficiency virus infection", The Journal of Pediatrics, Vol. 121, No. 4, October, 1992, pp 627-33 (**Exhibit 11**);
12. Littman, D. R., et al., (1985), "The Isolation and Sequence of the Gene Encoding T8: A Molecule Defining Functional Classes of T Lymphocytes", Cell, Vol. 40, pp 237-246 (**Exhibit 12**);
13. Mitsuya, H., et al., (1990), "Molecular Targets for AIDS Therapy", Science, Vol. 249, pp 1533-1543 (**Exhibit 13**);
14. Murre, C., et al., (1986), "Biochemical and Functional Analysis of a Secreted H-2L<sup>d</sup> Molecule", Molecular and Cell Biology, Vol. 6, No. 4, pp 1315-19 (**Exhibit 14**);
15. Possee, R. D., (1986) "Cell-surface expression of influenza virus haemagglutinin in insect cells using a baculovirus vector", Virus Research, 5, pp 43-59 (**Exhibit 15**);
16. Rose, J. K., et al., (1982) "Expression from Cloned cDNA of Cell-Surface Secreted Forms of the Glycoprotein of Vesicular Stomatitis Virus in Eucaryotic Cells" Cell, Vol. 30, pp 753-62 (**Exhibit 16**);

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17. Sandstrom, E. G., et al., (1987), "Antiviral Therapy in AIDS, Clinical Pharmacological Properties and Therapeutic Experience to Date" Drugs 34: 372-390 (**Exhibit 17**);
18. Springer, T. A., et al., (1976), "Detergent-soluble HLA Antigens contain a hydrophilic region at the COOH-terminus and a penultimate hydrophobic region", Proc. Natl. Acad. Sci. USA, Vol 73, No. 7, pp 2481-2485 (**Exhibit 18**);
19. Wills, J. W., et al., (1984), "Mutations of the Rous Sarcoma Virus env Gene That Affect the Transport and Subcellular Location of the Glycoprotein Products", The Journal of Cell Biology, Vol. 99, pp 2011-2023 (**Exhibit 19**).

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone at the number provided below.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement since this filing is being made prior to the mailing of a first Office Action on the merits of this case under 37 C.F.R. § 1.97(b)(3). However should any fee be due, authorization is hereby given to charge the required amount to Deposit Account No. 03-3125.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.	
<i>Mark A. Farley</i> 7-8-02	Date
John P. White Reg. No. 28,678 Mark A. Farley Reg. No. 33,170	

Form PTO-1449

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INFORMATION DISCLOSURE CITATION  
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Paul J. Maddon, et al

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June 25, 2001

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4 7 6 1 3 7 1	8/2/88	Bell, et al			
	4 8 1 6 5 6 7	3/28/89	Cabilly, et al			
	5 1 0 9 1 2 3	4/28/92	Reinherz, et al			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
8 9 0 1 9 4 0	3/9/89	PCT X				
8 9 0 8 1 4 3	8/9/89	PCT X				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Barr, P.J. et al., (1989), Yeast Genetic Engineering, Chapter 10 Heterologous Gene Expression in Yeast (Exhibit 6)
	Carr, S.A., et al., (1989), "Protein and Carbohydrate Structural Analysis of a Recombinant Soluble CD4 Receptor by Mass Spectrometry", J. Biol. Chem. 264:21286-21295 (Exhibit 7)
	Cohen, J. (1993), "Jitters Jeopardize AIDS Vaccine Trials", Science, Vol. 262, pp 980-1 (Exhibit 8)
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	Littman, D. R., et al., (1985), "The Isolation and Sequence of the Gene Encoding T8: A Molecule Defining Functional Classes of T Lymphocytes", Cell, Vol. 40, pp 237-246 (Exhibit 12)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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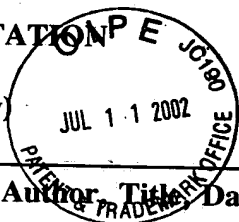
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Mitsuya, H., et al., (1990), "Molecular Targets for AIDS Therapy", Science, Vol. 249, pp 1533-1543 (Exhibit 13) X

Murre, C., et al., (1986), "Biochemical and Functional Analysis of a Secreted H-2L<sup>d</sup> Molecule", Molecular and Cell Biology, Vol. 6, No. 4, pp 1315-19 (Exhibit 14) X

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